ABSTRACT

In a method for maintaining a combined-cycle power station at readiness, an supplemental firing (44) with a fresh air supply fan (46) and, preferably, the feed and supply pumps (21, 23, 31, 38) are operated continuously or intermittently when the combined-cycle power station is not in use, in order to maintain specific states and media flows in the two-phase circuit of the combined-cycle power station. In one embodiment of the invention, the media in the two-phase circuit are prevented from freezing by means of the supplemental firing. Furthermore, media states which prevent air from entering while the power station is not in use and which thus prevent corrosion damage can also be maintained. In addition to this protective maintenance of readiness, the supplemental firing is also used when the combined-cycle power station is not in use, in order to produce and maintain conditions which allow the combined-cycle power station to be started and loaded quickly.

Figure 1